

AMENDMENTS TO THE SPECIFICATION

Please replace paragraphs [0005]-[0009] on page 1 of this application as published under US 2006/0071605 A1 with the following paragraphs.

[0005] [[An]] In one embodiment of the system according to the invention, is described in claim 2, wherein the system comprises intensity means conceived to detect an intensity with which the kind of activity is performed by the at least one person and the lighting control means is conceived to control the light source within the area in response to the detected intensity. The intensity can depend upon the kind of activity. For example, when a person is operating a personal computer and interacts with a word processing program the intensity of interaction with this word processing program is different from the intensity of interaction with for example a car-racing game. Depending upon this intensity, the lights are adjusted accordingly. For the word processing program this can result in white or yellow light with an average brightness level, while for the car-racing game, the lights can change continuously from color with a varying brightness level.

[0006] [[An]] In another embodiment of the system according to the invention, is described in claim 3, wherein the system comprises dating means conceived to determine a date and a time and the lighting control means is conceived to control the light source within the area in response to the determined date and time. The brightness level can depend upon the time of day that an activity is being performed. For example, during breakfast in the morning people prefer brighter lights while eating than during dinner in the evening.

[0007] [[An]] In yet another embodiment of the system according to the invention, is described in claim 4, wherein the system comprises noise means conceived to detect noise within the area and the lighting control means is conceived to control the light source within the area in response to the detected noise. By detecting the noise it can be detected if someone is present in a room and the lights should be switched on. Furthermore, the intensity of a conversation between two persons can be detected. For example, when two persons are talking to each other in a relaxed manner, the lighting remains at a dimmed level. However, if their conversation becomes more intense because the volume goes up, the lighting brightens.

[0008] [[An]] In still another embodiment of the system according to the invention, is described in claim 5, wherein the system further comprises motion means conceived to detect motion of the person within the area and the lighting control means is conceived to control the light source within the area in response to the detected motion. In the case that the person walks around the room, the person needs more light to properly see where he or she is walking. In the case that the person sits in a chair the light source can become less bright. This way, the lights can be controlled better.

[0009] [[An]] ~~In yet another embodiment of the system according to the invention,~~ is described in claim 6, wherein the system further comprises preference means conceived to determine a preference of a person and the lighting control means is conceived to control the light source within the area in response to the preference of the at least one person. Different persons can have different preferred lighting settings. For example, an older person can prefer a more bright light for reading than a younger person can, because the eyes of an older person are less sensitive to light. Also preferences depending upon personal taste like the color of light that is preferred can be taken into account while controlling the light.

Please replace paragraphs [0011]-[0012] on page 2 of this application as published under US 2006/0071605 A1 with the following paragraphs.

[0011] Embodiments of the method according to the invention ~~are described in claim 7 and~~ & include detecting a position of at least one person within an area; detecting a kind of activity performed by the at least one person within the area; and controlling the light source within the area in response to the detected at least one person and the kind of activity performed by the at least one person within the area, as well as, optionally, detecting an intensity with which the kind of activity is performed by the at least one person and the step of controlling the light source comprises controlling the light source within the area in response to the detected intensity

[0012] It is an object of the invention to provide a lighting arrangement according to the opening paragraph that controls a light source in an improved way. ~~To achieve this object, the lighting arrangement comprises the system according to any of the claims 1 to 6.~~